रजिस्ट्री सं. डी-(डी एन)—128/90 REGISTERED NO. D.—(D.N.) 128/90

भारत का राजपत्र
The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 21] नई दिल्ली, शनिवार, मई 26, 1990, (जेष्ठा 5, 1912)
No. 21] NEW DELHI, SATURDAY, MAY 26, 1990 (JYAISTHA 5, 1912)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 26th May 1990

ADDRESS AND JURISDICTION OF OFFICE OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
Todi Estates, III Floor, Lower Parel (West),
Bombay-400 0013.

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Haryana, Himachal pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic adderss "PATENTOFIS".

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 26 मई 1990

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिसके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा,
टोडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400 013.

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दिव एवं दादरा और नगर हवेली ।

तार पता—"पेटोफिस" ।

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—"पेटेंटोफिस" ।

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600 002.

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकाय तथा अमिनिदिवि द्वीप ।

तार पता—"पेटोफिस" ।

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय भवन,
5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता—"पेटेंटस" ।

पेटेंट अधिनियम 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य पत्रादि पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपर्युक्त कार्यालय में नियंत्रक को भुगतान योग्य पोस्टल आर्डर अथवा धन आदेश या जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चेक द्वारा की जा सकती है ।

THE PATENT OFFICE

Calcutta, the 26th May 1990

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed Under Section 135, of the Patents Act, 1970.

The 18th April 1990

316/Cal/90. Manoj Kumar Choudhury. Improvements in or relating to the process and apparatus for beneficiation of cement raw materials.

317/Cal/90 Ausimont S.r.l. Process for preparing peroxide perfluoropolyethers.

318/Cal/90 Ausimont S.r.l. Process for preparing peroxidic perfluoropolyethers.

319/Cal/90 Krupp Industrietechnik Gmbh. Movable bridge and system for laying the bridge.

320/Cal/90 Siemens Aktiengesellschaft. Apparatus for supplying fuels and additives to burner assemblies.

321/Cal/90 Beloit Corporation. System for monitoring roll density.

The 19th April 1990

322/Cal/90 Columbian Chemicals Company. Carbon black beads with latex additive.

323/Cal/90. McCormick & Company Incorporated. Method and apparatus for producing sterilized raw vegetable products without substantial loss of volatile material. [Divisional dated 27th October, 1987].

The 20th April 1990

324/Cal/90. Satyajit Engineering Industries Pvt. Ltd. Crane safe load indicator.

325/Cal/90. WNC-Nitrochemie GmbH. Method and apparatus to prepare a tribasic propellant charge powder.

326/Cal/90 WNC-Nitrochemie GmbH. Method and apparatus to prepare monobasic propellant charge powders with alcohol and ether as solvents.

327/Cal/90. Franz Plasser Bahnbaumaschinen Industriegesellschaft m.b.h. Travelling track tamping machine comprising tamping units designed for transverse and vertical displacement.

328/Cal/90. Henri Francis Breard, & Henry Graf. Flexible intervertebral stabilizer as well as process and apparatus for determining or verifying its tension before installation on the spinal column.

The 23rd April 1990

329/Cal/90. Himont Incorporated. Plasto-Elastic polypropylene compositions.

330/Cal/90. Himont Incorporated. Components and catalysts for the polymerization of olefins.

331/Cal/90. ESAB Welding Products, Inc. Plasma arc cutting torch having extended lower nozzle member.

332/Cal/90. ESAB Welding Products, Inc. Electrode for plasma arc torch.

333/Cal/90. ESAB Welding Products, Inc. Plasma arc starting process.

334/Cal/90. ESAB Welding Products, Inc. Plasma arc torch having extended nozzle.

335/Cal/90. E. I. Du Pont De Nemours and Company. Process for preparing polyester feed yarns.

336/Cal/90. Injectali Limited. Gas injector. (Convention dated 24th April & 31st July, 1989) both are U.K.

337/Cal/90. Mc Cormick & Co. Inc. Apparatus for treating fresh vegetable products such as spices and herbs. [Divisional dated 10th February, 1988].

338/Cal/90. S. A. ACEC-Union Miniere N. V. Process for recovering germanium.

CORRIGENDUM

In the Gazette of India, Part III, Section-2, dated the 28th April, 1990 under the heading "PATENTS SEALED", include the number 165100.

PRINTING SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted Specifications are available for sale from the Patent Office, Calcutta; and its branches at Bombay, Madras and Delhi at two rupees per copy.

(1)

157378 157379 157380 157381 157382 157383 157384
157385 157386 157387.

(2)

157388 157389 157390 157391 157392 157393 157394
157395 157396 157397 157398 157399 157400 157401
157402 157403 157404 157405 157406 157407 157408
157409 157410 157411 151412 157413 157414 157415
157416 157417 157418 157419 157420 157421 157422
157423 157424 157425 157426 157427.

(3)

157465 157466 157467 157468 157469 157470 157471
157472 157473 157474 157475 157476 157477 157478
157479 157480 157481 157482 157483.

PATENT SEALED

164971 164225 165021 165023 165034 165035 165041
165043 165044 165045 165046 165081 165109 165111
165172 165251 165239 165242 165247 165270.

CAL – 10
DEL – 4
MAS – 6
BOM – NIL.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Lanxide Technology Compar L.P, a Limited Partnership duly organised and existing unde the laws of the state of Delaware, U.S.A. at Tralee Industri Park, Newark, Delaware 19711, U.S.A. have made an appl cation under Section 57 of the Patents Act, 1970 for amen ment of specification of their application for Patent N 165221 for "A method for producing a self-supporting Cer mic Composite structure"

The application for amendment and the proposed amend ment can be inspected free of charge at Patent Office, 234/4 Acharya Jagadish Bose Road, Calcutta-700 017 or copies o the same can be had on payment of the usual copying charge Any person interested in opposing the application for amen ment may file a notice of opposition on the prescribed For 30 within three months from the date of this notication i the Patent Office, Calcutta. If the written statement o opposition is not filed with the notice of opposition it shal be left within one month from the date of filing the sai notice.

RENEWAL FEES PAID

143063 143901 145378 147431 147879 147919 14819
148531 149597 150145 150326 150425 150555 15055
150763 151032 151073 151260 151409 151487 15155
151754 151947 151999 152377 152378 152441 15246
152633 152687 152829 153349 153608 153917 15444
154875 154996 155373 155581 155655 155671 15580
155963 155993 156349 156659 156735 156858 15692
157319 157344 157704 157720 157772 157812 15827
158383 158456 158584 158648 159131 159291 15991
159949 160056 160721 160941 160984 160993 16102
161030 161067 161076 161241 161256 161346 16139
161675 161680 161776 162004 162128 162183 16265
162655 162782 162826 162947 163473 163655 16373
163951 164043 164328 164666 165249 165317.

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made unde Section 60 of the Patents Act, 1970 for the restoration o Patent No. 164185 granted to Hyderabad Industries Ltd. fo an invention relating to "improved boards or sheets mad from non-asbestos fibrous material and to an improved metho of manufacturing the same".

The patent ceased on the 18th January 1990 due to non payment of renewal fees within the prescribed time and th cessation of the patent was notified in the Gazette of India Part III, Section 2, dated the 7-4-90.

Any interested person may give notice of opposition t the restoration by leaving a notice on Form 32, in duplicate with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4 Acharya Jagadish Bose Road, Calcutta-700 020 on or befor the 20th July 1990 under Rule 69 of the Patents Rules, 1972 A written statement, in triplicate, setting out the nature of th opponent's interest, the facts upon which he bases his cas and the relief he seeks, shall be filed with the notice or withi one month from the date of the notice.

(2)

Notice is hereby given that an application was made unde Section 60 of the Patents Act, 1970 for the restoration o Patent No. 161224 granted to Energy Conversion Devices In for an invention relating to thermoelectric device exhibitin decreased stress.

The patent ceased on the 22nd February 1989 due to non payment of renewal fees within the prescribed time and th cessation of the patent was notified in the Gazette of India Part III, Section 2, dated the 7-4-90.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 26th July 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patent Act, 1970 for the restoration of Patent No. 160244 granted to Kumar Chettiar Sennaiyan Chettiar Ponnuswamy Chettiar Ayyamurai for an invention relating to "a protective device for deactivating a prime mover coupled to a pump in predetermined conditions".

The patent ceased on the 20th February 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 7-4-90.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 26th July 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 163683 granted to Kumar Balram Bhatia for an invention relating to "a Collapsible attachment for use in cars and kitchen".

The patent ceased on the 16th November 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 7-4-90.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 26th July 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 163287 granted to Dhrunarayan Chowrashia for an invention relating to "a filter assembly for use particularly in a filtration of diesel oil".

The patent ceased on the 19th October 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 7-4-90.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 26th July 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 163977 granted to Kali Prasad Poddar for an invention relating to "a semi automatic corrugated board posting machine".

The patent ceased on the 20th December 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 7-4-90.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 26th July 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 perscribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1973.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य; उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूचीगत विनिर्देशों की सीमित संख्यक में मुद्रित प्रतियां, भारत सरकार बुक डिपो, 8 किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग-पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों; के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता, द्वारा विहित लिप्यान्तरण प्रभार उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरणप्रभार का परिकलन किया जा सकता है।

Int. Cl.[4] : F 16 D 3/00; F 16 D 11/00; F 16 D 13/00; F 16 D 47/00. 166521

A POWER TRANSMISSION DEVICE.

Applicant & Inventor : KOTHAPALLI VENKATA SURYA TIRUPATHI RAJU, H. NO. 8-3-224/9, MADHURANAGAR, HYDERABAD-500 045, ANDHRA PRADESH, INDIA, INDIAN NATIONAL.

Application No. 825/Mas/85 filed October 18, 1985.

Additional to Patent No. 163607 (22/Mas/85).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

A power transmission device comprising :

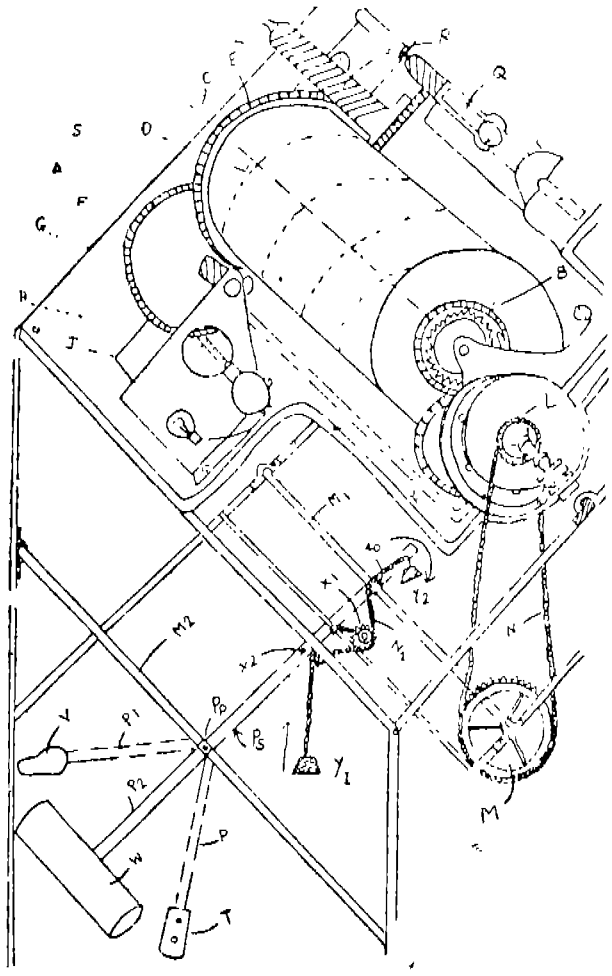
a rotatably mounted drum housing a coiled spring;

one end of the spring being fixed to the interior of the drum, while the other end thereof is fixed to a pawl and ratchet wheel provided on the drum axis and thence to a slip clutch and a freewheel;

a driver wheel coupled to the free wheel;

at least one crank coupled by a drive to the driver wheel, for rotating the driver wheel; and

a speed control governor coupled to the drum, whereby cranking of the driver wheel drives the free wheel and thence the clutch and ratchet wheel to wind the spring, thus causing the drum to rotate under spring tension at a speed regulated by the governor, to provide mechanical power.



Compl. specn. 9 pages. Drgs. 5 sheets

Int. Cl.[4] : C 25 D 11/04; C 09 J 5/02; F 16 B 11/00. 166522

A METHOD OF MANUFACTURING STRUCTURES WITH COMPONENTS FORMED FROM ALUMINIUM SHEET.

Applicants : BL TECHNOLOGY LIMITED, A BRITISH COMPANY, OF 106 OXFORD ROAD, UXBRIDGE, MIDDLESEX UB8 1EH, GREAT BRITAIN AND ALCAN INTERNATIONAL LIMITED, OF 1188 SHERBROOKE STREET WEST, MONTREAL, QUEBEC, CANADA H3A 3GZ, A CANDIAN COMPANY.

Inventors : (1) ANTHONY MADDISON, (2) PETER GEOFFREY SHEASBY (3) NIGEL CLEATON DAVIES.

Application No. 869/Mas/85 filed October 30, 1985.

Convention date : November 5, 1984. (No. 8427981; UNITED KINGDOM).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

A method of manufacturing structures such as herein described with components formed from aluminium sheet which comprises the steps of :

subjecting the aluminium sheet to an anodising process in an acidic electrolyte for a period of 0.5 seconds to 2 minutes to form an anodic oxide layer of thickness from 15 nm to 500 nm thereon;

forming the pretreated sheet to produce components of a desired shaped;

applying a known adhesive to the components and securing the components together by means of the said adhesive to form the structure.

Compl. specn. 35 pages. Drg. 1 sheet

Int. CLASS[4] : G 01 V 1/28 166523

A DEVICE FOR CONTROLLING THE STORAGE OF DATA RECEIVED BY A SEISMIC RECORDING SYSTEM.

Applicant : INSTITUT FRANCAIS DU PETROLE, A FRENCH BODY CORPORATE, OF-4, AVENUE DE BOISPREAU, 92502 RUEIL-MALMAISON, FRANCE.

Inventors: (1) JOSEPH RIALAN, (2) RENATE BARY.

Application No. 896/Mas/85 filed November 7, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

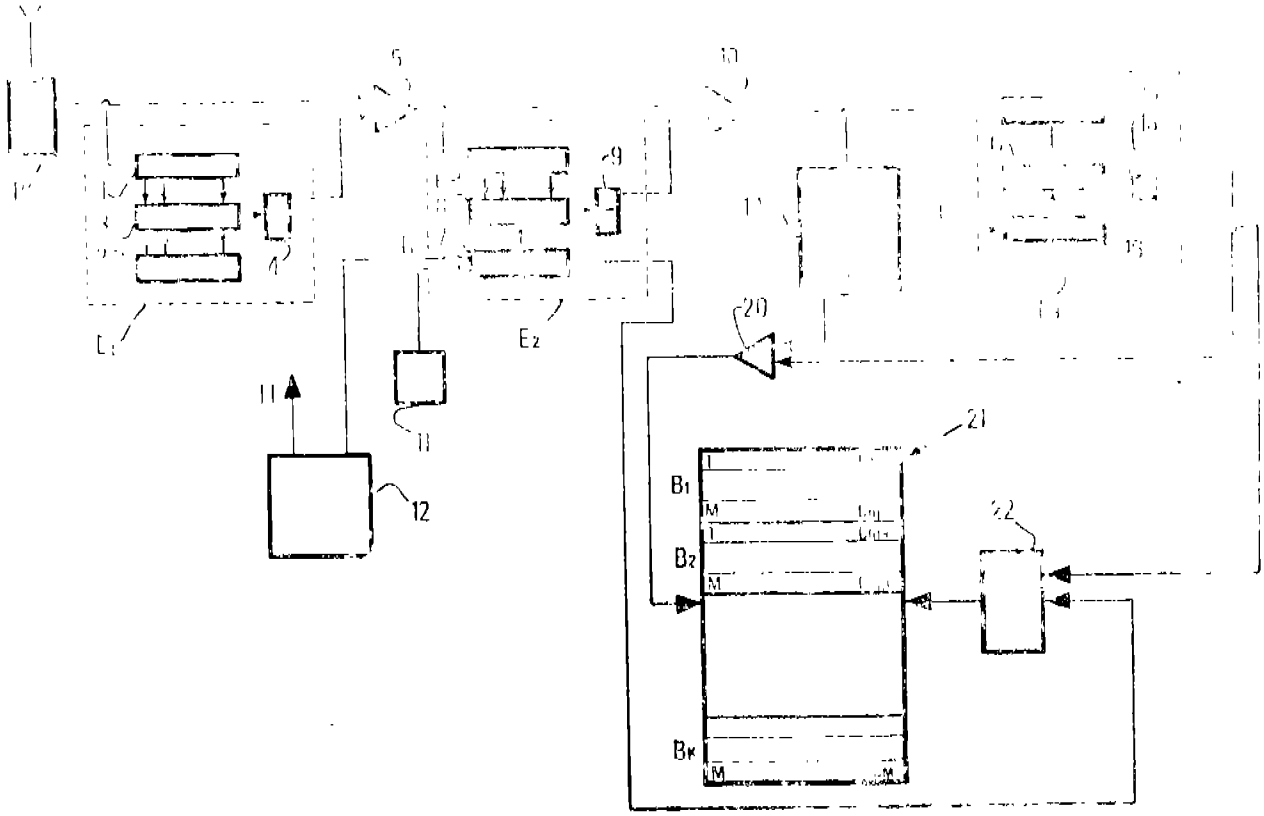
8 Claims

A device for controlling the storage, by a recording system, of seismic data consisting of a series of samples of digitized signals subdivided into a plurality of blocks each containing the same number of samples each one of said blocks being separated from the others by timing signals and being provided with identification signals defining its order number in each series, said data being transmitted from seismic data acquisition devices, said device comprising :

means for successively checking the timing signals and the identification signals associated with each block;

means for counting the number of samples in each block received and validating the blocks of samples whose number is greater than a given value; and

means for transferring each validated block, to positions on a recording medium previously assigned to said block.



Compl. specn. 13 pages Drg. 4 sheets

Int. CLASS[4] : B 65 D 85/00 166524

TEA BAG WITH A PROTECTIVE COVER AND A METHOD FOR MANUFACTURING THE SAME.

Applicant & Inventor : HUGH PATRICK CHRISTIE, AN AUSTRALIA CITIZEN OF 50 BEVINGTON ROAD, GLENUNGA, STATE OF SOUTH AUSTRALIA, COMMONWEALTH OF AUSTRALIA.

Application No. 932/Mas/85 filed November 19, 1985.

Convention date : November 20, 1984; (No. PG 8205; Australia).

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims

A tea bag with a protective cover, comprising two leaves joined together about a fold line, a tea bag having a flange along at least one of its edges, attachment means for attaching said tea bag by said flange to one leaf below said fold line so that the leaves fold to one side of the bag and when the tea bag is suspended in a cup the said leves remin outside of the cup.

Compl. specn. 11 pages Drg. 2 sheets

Int. CLASS[4] : C 08 L 77/06 166525

POLYAMIDE RESIN COMPOSITIONS CONTAINING SILICONE OILS.

Applicant : STAMICARBON B.V. (LICENSING SUBSIDIARY OF DSM), A DUTCH COMPANY, OF MIJNWEG 1, 6167 AC GELEEN, THE NETHERLANDS.

Inventor : KAZUMASA CHIBA.

Application No 956/Mas/85 filed November 28, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Madras Branch.

9 Claims

Polyamide resin composition containing 2 to 20 parts by weight of silicone oil and 100 parts by weight of a polyamide having at least 50% by weight of tetramethylene adipamide.

Complete specn. 14 pages Drg. 2 sheets

Int. CLASS[4] : C 08 G 63/70; 63/16 166526
C 08 L 33/04.

A BIAXIALLY ORIENTED POLYESTER FILM AND A PROCESS FOR MAKING IT.

Applicant : HOECHST AKTIENGESELLSCHAFT, OF 6230 FRANKFURT AM MAIN 80 FEDERAL REPUBLIC OF GERMANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) HERMANN DALLMANN, (2) WERNER SCHAEFER, (3) HARTMUT HENSEL, (4) WALTER SEIFRIED, (5) SIEGFRIED JANOCHA.

Application No. 1024/Mas/85 filed December 24, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

12 Claims

A biaxially oriented polyester film comprising;

a polyester matrix with from 0.005 to 5 per cent by weight, based upon the total weight of said polyester film of cross linked organic particles such as herein described having an average particles size range of from 0.01 to 5.0 μm;

with a ratio of the weight average particle diameter and the number average particle diameter 1.1 or less;

said particles being substantially homogeneously dispersed throughout and covalently bonded to said polyester matrix, with at least one major surface of said polyester film having a mean surface roughness value Ra of from 0.0005 to 0.10 μm;

said major surface having a plurality of protrusions comprising said crosslinked organic particles, each surrounded by a depression.

Compl. specn. 20 pages Drg. 2 sheets

Int. CLASS[4] : D 04 H 1/12 166527

ABSORBENT NONWOVEN WEB.

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 3M CENTER, ST PAUL, MINNESOTA 55144, UNITED STATES OF AMERICA.

Inventor(s) : LEE A. GORMAN (NEE BUCKLEY) THOMAS I. INSLEY.

Application No 1035/Mas/85 filed on December 30, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims

An absorbent porous web comprising :

a nonwoven fibrous three dimensional network of staple fibers:

said fibers having a thin but continuous coating of a super-absorbent polymeric sorbent thereon;

said fibrous network being unified by said polymeric coating essentially only at the crossing points of said fibers and said polymeric coating on said fibers comprising from 35 to 80 weight per cent of the total web weight.

Compl. specn. 20 pages Drg. Nil

Int. CLASS[4] : B32 B 31/14; B 29 C 65/02; 166528
G 01 F 15/16.

METHOD OF MAKING SYNTHETIC MEMBRANES FOR A GAS METER.

Applicant : FLONIC, A FRENCH COMPANY OF 12, PLACE DES ETATS-UNIS, 92120 MONTROUGE, FRANCE.

Inventor : ANDRE DE REGO.

Application No 53/Mas/86 filed January 28, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims

A method of making a gas meter membrane, comprising the following steps :

at least one film of thermoplastic elastomer material is disposed opposite to one of the faces of a woven or non-woven synthetic fiber structure forming a piece of fabric-material of substantially constant thickness;

heating the said elastomer material to its softening temperature;

simultaneously, exerting pressure on the assembly constituted by said structure and said film in order to cause said elastomer material to adhere to said structure, and to completely cover said face of the structure by deformation of said film to form a combination of the film adhered to the fiber structure;

removing the pressure and the resulting combination of the film adhered to the fiber structure is allowed to cool; and said combination is shaped in order to obtain a gas meter membrane of the desired shape.

Compl. specn. 16 pages Drg. 5 sheets

Int. CLASS[4] : C 08 F 114/06; 214/06 166529

A PROCESS FOR PRODUCING POLYVINYL CHLORIDE RESIN.

Applicant : KANEGAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA, A JAPANESE COMPANY, OF 2-4, 3-CHOME, NAKANOSHIMA, KITA-KU, OSAKA-SHI, JAPAN.

Inventors : (1) TEIJI KOBAYASHI, (2) YOSHIO TOMISHIMA, (3) TAIZO YAMAMOTO, (4) YASUHIRO NOJIMA.

Application No. 111/Mas/86 filed February 18, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

11 Claims

A process for producing poly-vinyl chloride resin in suspension polymerization system of vinyl chloride monomer and other monomer capable of copolymerizing therewith, by the use of a polymerization reactor equipped with a reflux condenser in the gas phase portion of the polymerization reactor or outside the polymerization reactor, characterized by the improvement in which a non-ionic surface active agent having HLB value in a range of 6–14 is added in an amount of 0.001–0.1 weight part to 100 weight parts of vinyl chloride monomer and other monomers copolymerizable therewith, a water/monomer weight ratio of initial charging is controlled in a range of 0.8–1.0, polymerization is conducted in the first stage of polymerization to not more than 50 weight per cent in polymer conversion, than in the second stage of polymerization, polymerization is conducted at a temperature 3–10°C higher than the polymerization temperature in the first stage, with water being added continuously or intermittently in the course of polymerization not more than making up for the volumetric contraction resulting from the progress of polymerization so that upon completion of polymerization the water/monomer weight ratio is controlled in a range of 1.0–1.4.

Complete specn. 24 pages.

Int. CLASS[4] : B 01 D 33/06 166530

HOLLOW FINER FILTER DEVICE.

Applicant : EBARA CORPORATION, A JAPANESE BODY CORPORATE OF 11-1, HANEDA ASAHI-CHO, OTA-KU, TOKYO, JAPAN.

Inventors : (1) HIROSHI NAGAI, (2) TADAMASA HAYASHI.

Application No. 423/Mas/86 filed May 29, 1986.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims

A hollow fiber filter device comprising :

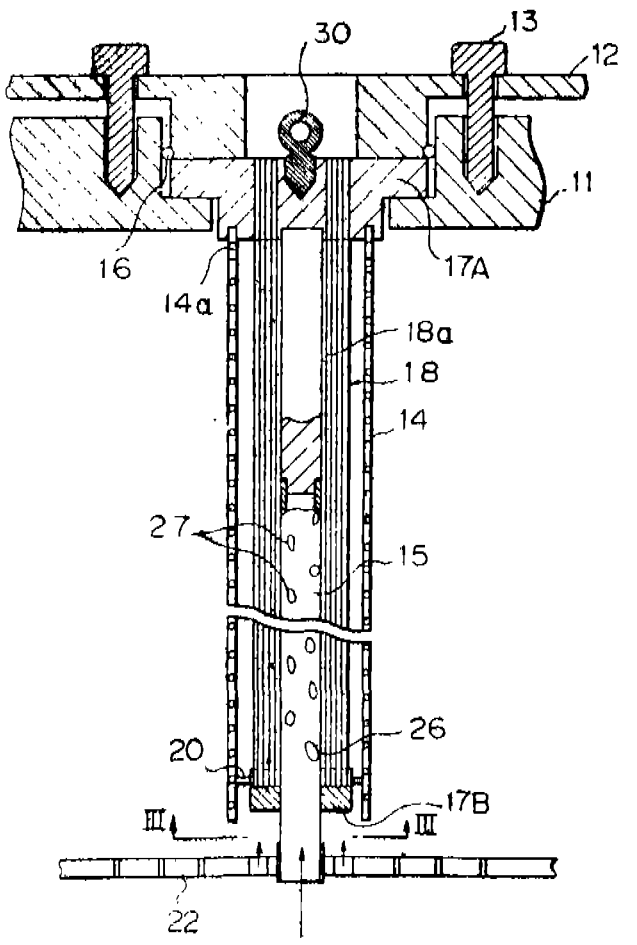
a filter casing having an inlet port and an outlet port :

a plurality of filter modules vertically installed within the casing, each of the modules comprising a plurality of hollow fibers formed in a bundle, each fiber being adapted to filter liquid passing from the outside to the inside thereof, the upper and lower ends of the bundle being secured to upper and lower bundle plates respectively with the upper end of each hollow fiber being left open and the lower end of each fiber being sealingly closed, each of said modules further comprising a central pipe one end of which is embedded in the upper bundle plate and which centrally extends the bundle downwardly through the lower bundle plate which is fixed to said pipe with giving a slight slackening of said bundle between said upper and lower bundle plates with the lower end of said pipe left open, and a protecting hollow cylinder having perforations in the cylindrical wall thereof and encasing said bundle;

a horizontal member within said casing for suspending said modules vertically therefrom by securing said upper bundles while exposing the upper ends of the bundles through holes provided in said horizontal member to a space defined in the upper portion of the casing by said horizontal member; and

an air distributor panel disposed within said casing and below said suspended modules and adapted to

support the respective lower ends of said central pipes.



Compl. specn. 13 pages Drg. 4 sheets

CLASS : 166531

Int. Cl. : G01 n 33/18.

A SYSTEM FOR MEASURING CONDUCTIVITY OF A HIGH PURITY WATER SAMPLE.

Applicant : TBI A NEVADA STATE CORPORATION AT 2175 LOCKHEED WAY, CARSON CITY, NEVADA 89701, U.S.A.

Inventor : THEODORE ROBERT BARBEN, II.

Application No. 868/Cal/86 filed December 1, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A system for measuring conductivity of a high purity water sample comprising :

a multiple electrode probe sensor for generating a total conductivity signal proportional to the total conductivity of the sample;

a temperature sensing means for generating a temperature output signal indicative of the temperature of the sample:

first compensation means responsive to the temperature output signal from the temperature sensing means for subtracting from said total conductivity signal a temperature correction signal corresponding to the conductivity of absolutely pure water at the sample temperature to produce a net conductivity signal;

second compensation means responsive to said temperature output for selectively amplifying said net conductivity signal to produce an adjusted output proportional to the conductivity of salt at a standard reference temperature; and

output summation means for summing the adjusted output with a fixed amplitude signal that corresponds to the conductivity of absolutely pure water at the standard reference temperature to produce a combined signal output corresponding to the total conductivity of the sample at said standard reference temperature. Drg. 2 sheets

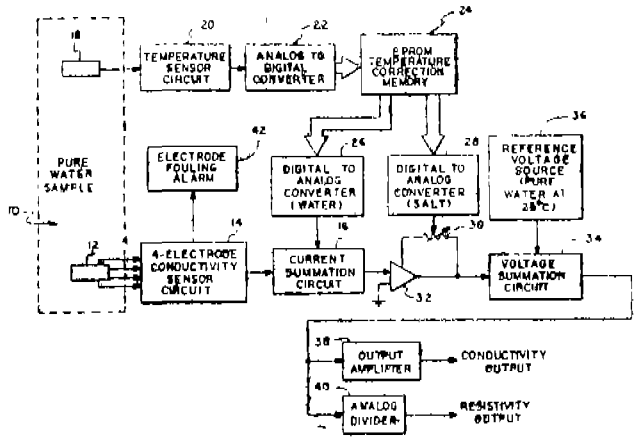


Fig. 1

Compl. specn. 20 pages. Drg. 2 sheets

CLASS : 166532

Int. Cl. : F04c 29/08.

A VARIABLE DISPLACEMENT HYDRAULIC PUMP CONTROL SYSTEM.

Applicant : VICKERS, INCORPORATED., 1401 CROOKS ROAD, TROY, MICHIGAN 48084, UNITED STATES OF AMERICA.

Inventor : LAEL BRENT TAPLIN.

Application No. 870/Cal/86 filed December 2, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A variable displacement hydraulic pump control system comprising :

a variable displacement pump including a pump adjusting mechanism comprising a hydraulic positioning piston means and spring biased piston means yieldingly opposing said positioning piston means;

load sensing spool compensator means;

said pump having an outlet and an inlet;

first passage means connecting the outlet of the pump to one end of said load sensing spool compensator means for sensing the pressure at the outlet of the pump which is being delivered to a load;

second passage means extending between said load sensing spool compensator means and said positioning piston means for moving said pump adjusting mechanism in response to activation of said load sensing spool compensator means;

a system valve;

third passage means between the outlet of said pump and said system valve;

fourth passage means extending between the other end of said load sensing spool compensator means and said system valve; and

fifth passage means between said fourth passage means downstream of said system valve and said spring biased piston means.

Compl. specn. 7 pages Drg. 2 sheets

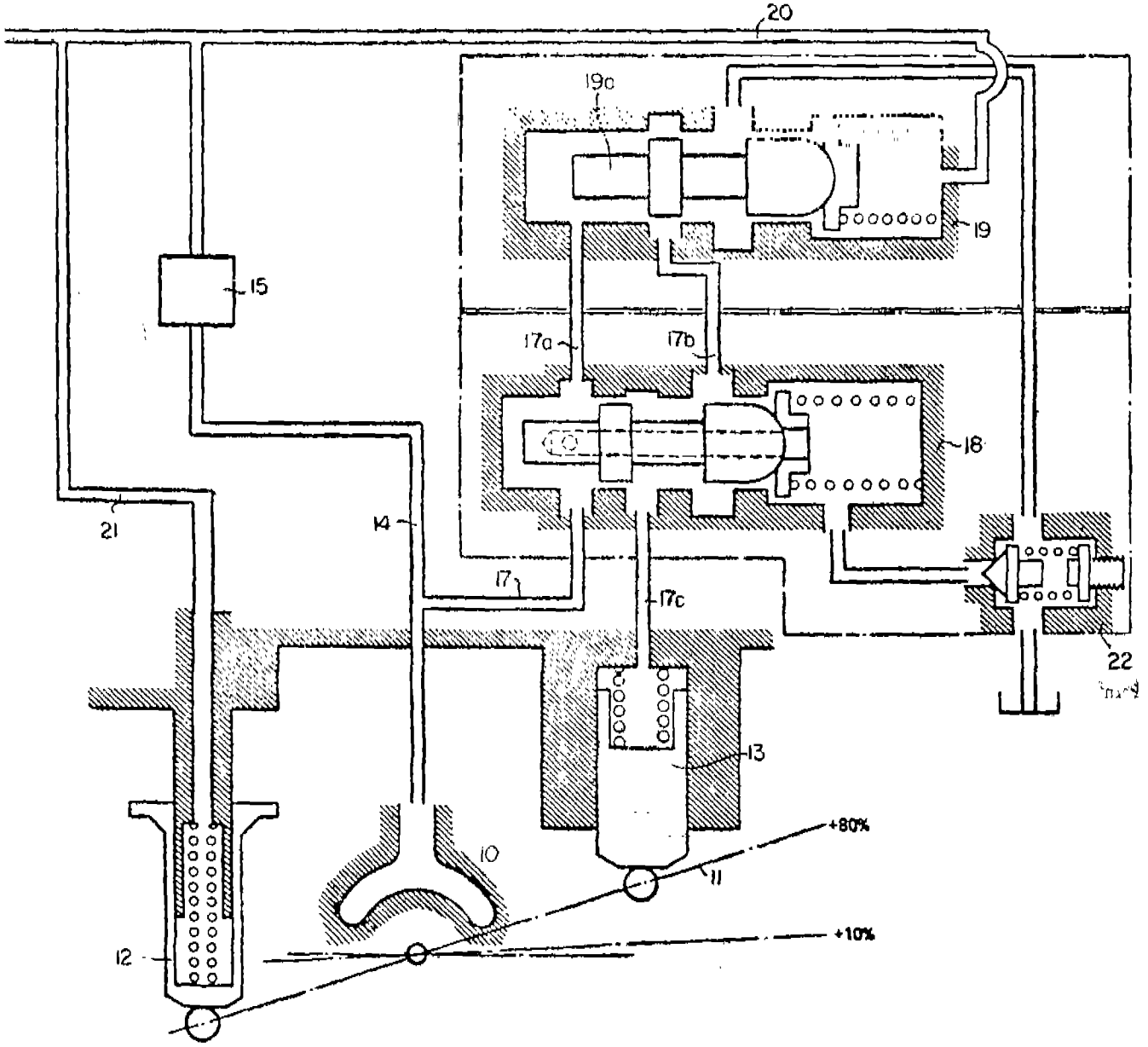


Fig. 2

CLASS :

166533

Int. Cl. : F 16 s 3/00.

STRUCTURAL BAR

Applicant & Inventor : HANS SPELTEN, FRANKSTR. 21, D-4054 NETTETAL 2, FEDERAL REPUBLIC OF GERMANY.

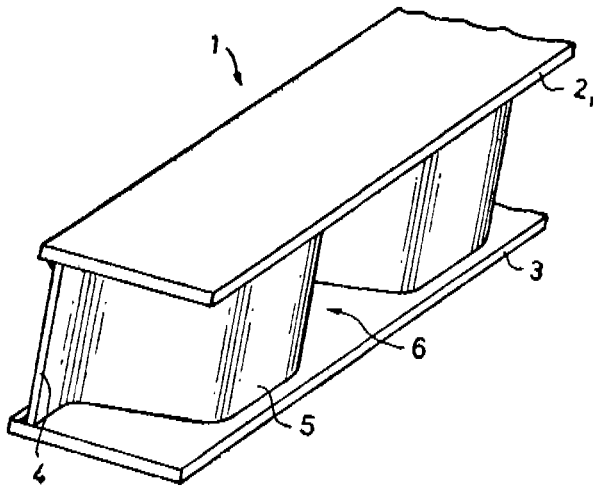
Application No. 16/Cal/87 filed January 6, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A structural bar, comprising an upper and a lower chord which are interconnected by an upright web having bulges alternatingly extending to one or the other longitudinal rim of said bar.

Characterised in that said chords are continuously fixed to said web along the length thereof.



Compl. specn. 9 pages Drg. 2 sheets

CLASS : 69-I. 166534

Int. Cl. : G 06 f 13/00.

APPARATUS FOR SWITCHING MULTI-RUNNING CENTRAL PROCESSING UNITS.

Applicant : (1) HITACHI, LTD., OF 6, KANDA SURUGADAI 4-CHOME, CHIYODA-KU, TOKYO, JAPAN; (2) HITACHI ENGINEERING CO. LTD., OF 2-1, SAIWAI-CHO-3-CHOME, HITACHI-SHI, IBARAKIKEN, JAPAN.

Inventors : 1. HIROMASA YAMAOKA, 2. AKIHIRO WAKITA, 3. JUNJU SAITOW, 4. YASUHIRO TENNICHI, 5. KAZUHIKO SHIMOYAMA, 6. WATARU SASAKI, 7. YOSHINORI KAJIYAMA.

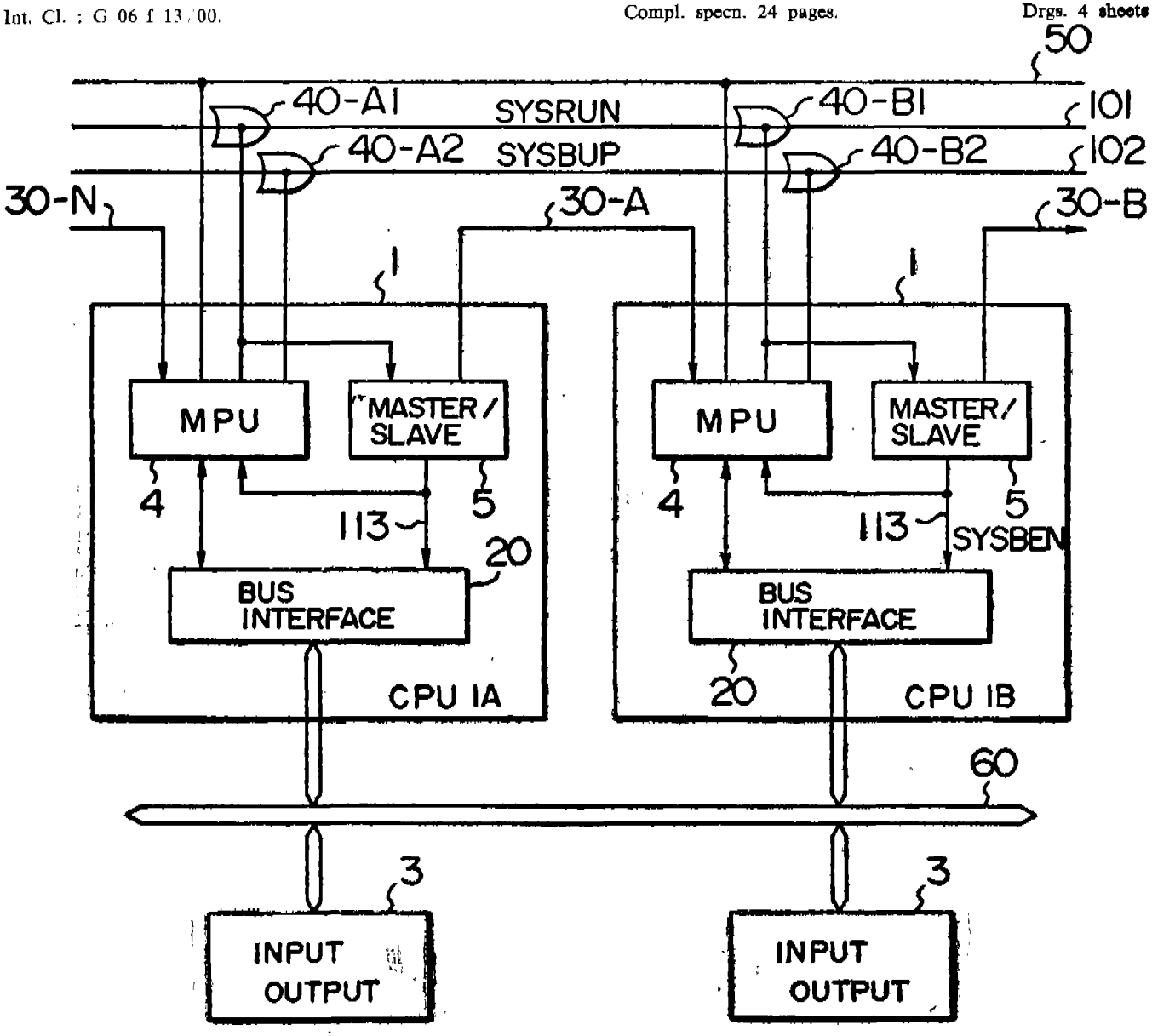
Application No. 41/Cal/87 field January 13, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

An apparatus for switching a dual-running central processing unit (CPU) system having two CPU's mutually connected through a first signal line indicating whether individual CPU's are to be in master mode or slave mode and a second signal line indicating whether at least one CPU is running, said individual CPU's comprising an input port for deciding whether the related CPU is a master CPU or a slave CPU in accordance with the state of said first signal line and detecting whether there is the transmission of signal on said second singal line, and an output port for deciding whether said related CPU should transmit to said second signal indicating that said related CPU is running in accordance with the states of said first and second signal lines obtained when said system is reset and started by turning on a power supply or in the event of occurrance of a fault, whereby said individual CPU's are permitted to run in master mode or slave mode.

Compl. specn. 24 pages. Drgs. 4 sheets



CLASS : 55-B_2 166535

Int. Cl. : A 61 1 2/06.

A STEAM STERILIZER.

Applicant : FOXTECH PTY. LTD., OF 30 BURROWS STREET, MAYNE, QUEENSLAND, 4006, AUSTRALIA.

Inventor : 1. PETER DAVID LAWRENCE.

Application No. 99/Cal/87 filed February 3, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A steam sterilizer including :

a cabinet;

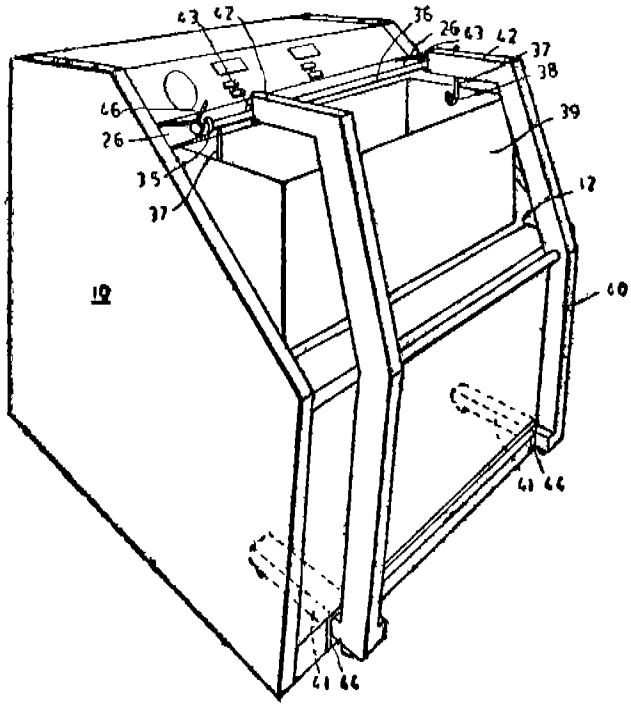
an open-topped sterilizer chamber in the cabinet;

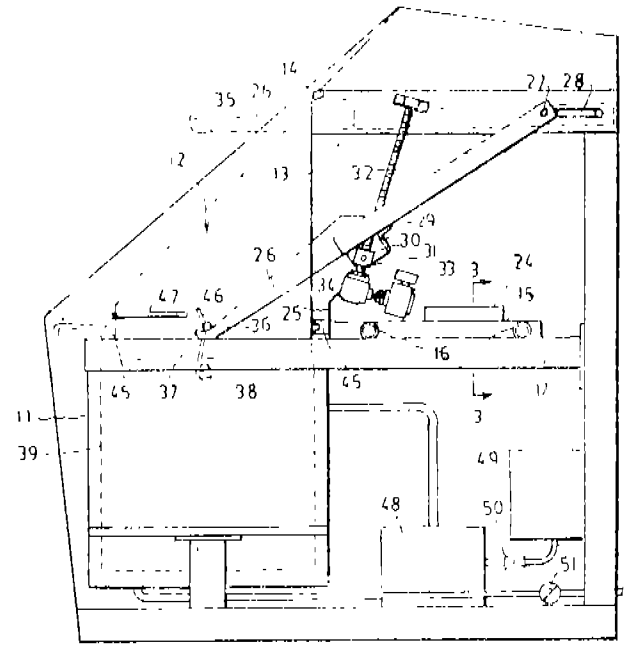
a loading opening in the cabinet leading down into the sterilizer chamber;

a sterilizer chamber door, mounted at the top of the chamber, in the cabinet for slidable substantially horizontal movement to retracted open position or advanced closed position;

sealing means for sealing the advanced door to the top of the top of the sterilizer chamber; and

means for generating steam under pressure in the closed chamber.





Compl. specn. 10 pages. Drgs. 3 sheets

CLASS : 32-A_2. 166536

Int. Cl. : C 09 b 19/00.

PROCESS FOR THE PREPARING WATER-SOLUBLE TRIPHENDIOXAZINE COMPOUNDS AND SULFONYL-CONTAINING PRECURSORS THEREOF.

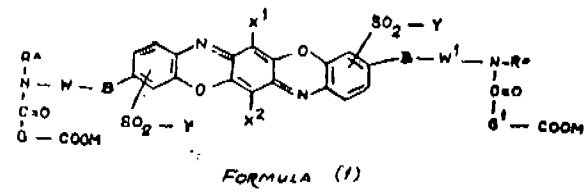
Applicant : HOECHST AKTIENGESELLSCHAFT, D-6230 FRANKFRUT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. HARTMUT SPRINGER, 2. WALTER HELMLING, 3. GUNTHER SCHWAIGER.

Application No. 107/Cal/87 filed February 6, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1. A process for preparing a water-soluble triphendioxazine compound which conforms to the formula (1) of the accompanying drawings



FORMULA (1)

in which the meanings are :

B is an oxygen or sulfur atom or an amino group of the formula -NH- or -N(R')-, in which

R' is an alkyl group of 1 to 6 cabon atoms;

R* is a hydrogen atom or an optionally substituted alkyl group of 1 to 4 carbon atoms or an optionally substituted aryl radical;

W is a bivalent, aliphatic or optionally C_1-C_4-alkyl-substituted (C_5-C_{10})-cycloaliphatic or optionally C_1-C_4 alkyl-substituted aliphatic-(C_5-C_8)-cycloaliphatic radical, which aliphatic radicals can be interrupted by hetero groups which are selected from the groups which are selected from the groups -O-, -S-, SO_2-, $-CO_2$- 1, 4-piperidino, -NH- and -N(R°), where R° has one of the meanings of R′ or is an alkanoyl group of 2 to 5 carbon atoms, and

W^1 has one of the meanings indicated for W and is identical to or different from W, or

the grouping -B-W^1(-N(R°)- and the grouping -N(R*)-W-B-, identical to or different from each other, each represent together the bivalent radical of a five-or six-membered saturated heterocycle which contains two nitrogen atoms or

the grouping -B-W^2- and the grouping -W-B-, identical or different from each other, each represent together the bivalent radical of a five-or six-membered saturated heterocycle which contains two nitrogen atoms and which is bonded by one of the two nitrogen atoms via an alkylene group of 2 to 4 carbon atoms to the grouping -N(R*)-CO-G^1- or -G-CO-N(R*)-;

G is a direct bond or a straight-chain or branched alkylene group of 1 to 8 carbon atoms or an aliphatic-cycloaliphatic radical or a cycloaliphatic radical, the cycloaliphatic radicals being in each case those of 5 to 8 carbon atoms;

G^1 has one of the meanings indicated for G and is identical to or different from G;

M is a hydrogen atom or an alkali metal or one equivalent of an alakline earth metal;

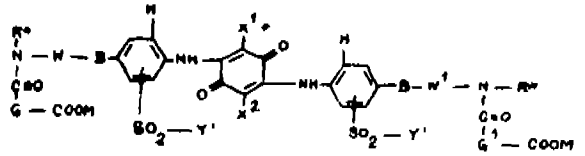
X^1 is a hydrogen atom, a halogen atom, an alkyl group of 1 to 4 carbon atoms, an alkoxy group of 1 to 4 carbon atoms, an aryloxy group or an optionally substituted aryl radical;

X^2 is identical to or different from X^1 and has one of the meanings indicated for X^1;

Y is the vinyl group or an ethyl group which contains in the β-position an alkali-eliminable substituent;

the group $-SO_2$-Y is preferably bonded in the ortho-position relative to the group -B-W-N(R*)-CO-G1-COOM or MOOC-G-CO-N(R*)-W-B-;

which comprises reacting by a conventional method a compound of the formula (2)



FORMULA (2)

(in which Y′ is the vinyl group, the β-hydroxyethyl group or an ethyl group which contains in the β-position an alkali-eliminable substituent, such as one of those substituents mentioned for Y, preferably is the β-hydroxyethyl group, and B, G, G^1, X^1, R* W^1, W^1, X^1 and X^2 have the abovementioned meanings, where substituted alkyl groups in these radicals can also be hydroxy-substituted alkyl groups, the groups $-SO_2$-Y′ are preferably bonded in the ortho-position relative to the group B, and the benzene nuclei must not be substituted in any of the ortho-positions relative to the amino group -NH-shown) in a sulphuric acid medium in the presence of an oxidizing agent at a temperature of from 0—60°C.

CLASS : 141-B. 166537

Int. Cl. : C 22 b 1/08, 1/10.

PROCESS FOR PREPARING TITANIFEROUS ORE BENEFICIATES BY REMOVING IRON VALUES COMPRISING.

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY, AT WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventors : 1. HANS HELMUT GLAESER. 2. JAMES WILLIAM REEVES.

Application No. 114/Cal/87 filed February 10, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

Process for preparing titaniferous ore beneficiates by removing iron values comprising :

(a) contacting ore to be treated with a reducing atmosphere generated by partial oxidation of a hydrocarbon fuel, at a temperature from 700°C to 1100°C, in a reducing zone;

(b) continuously cycling a part of the ore being treated from the reducing zone to a chlorinating zone, and from the chlorinating zone to the reducing zone;

(c) contacting ore in the chlorinating zone with a molar excess of Cl_2, at a temperature from 600°C to 1000°C, in an atmosphere substantially free of carbon, thereby producing $FeCl_3$ vapor and a TiO_2 beneficiate;

(d) withdrawing the $FeCl_3$ vapor from the chlorinating zone and contacting it with oxygen, at a temperature from 500°C to 1200°C, to produce Cl_2 gas and a Fe_2O_3 waste stream;

(e) recycling the Cl_2 gas to the chlorinating zone; and

(f) withdrawing the resulting TiO_2 beneficiate from the chlorinating zone.

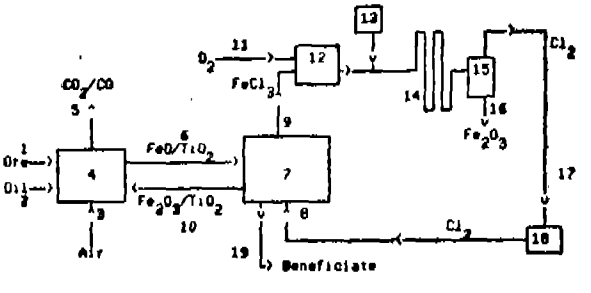


FIGURE 1

Compl. specn. 23 pages. Drgs. 2 sheets

Int. Cl. : D 01 f 9/08. 166538

PROCESS FOR PREPARING INORGANIC FIBER HAVING SUPERIOR SOLUBILITY IN SALINE SOLUTIONS.

Applicant : MANVILLE CORPORATION, AT KENSARYL RANCH, JEFFERSON COUNTY, COLORADO, MAILING ADDRESS, P.O. BOX 5108, PATENT DESIGN, DENVER, COLORADO 80217-5108, UNITED STATES OF AMERICA.

Inventors : 1. LEONARD ELMO OLDS. 2. WILLIAM HENRY KIELMEYER.

Application No. 128/Cal/87 filed February 17, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A process for preparation of inorganic fiber having superior solubility in saline solutions, which comprises spinning the fiber directly from a melt of metal oxides consisting essentially of :

(a) 0.1—30 wt. % MgO;

(b) 0—10 wt % Al_2O_3, the balance being made of

(c) SiO_2 not less than 40%.

(d) CaO—25 to 46%.

Compl. specn 16 pages. Drg. 1 sheet

CLASS : 39-L & M. 166539

Int. Cl. : C 01 b 25/18, 25/26.

A PROCESS FOR PREPARING ENRICHED ROCK PHOSPHATE FOR USE IN THE CONVENTIONAL PREPARATION OF PHOSPHORIC ACID.

Applicant : THE PROJECT & DEVELOPMENT INDIA LTD. (RESEARCH & DEVELOPMENT DIVISION), SINDRI-828122, DIST. DHANBAD, BIHAR, INDIA.

Inventors 1. RAM UDHAR SINGH, 2. ASHUTOSH MUKHERJEE, 3. ANWAR AHMED, 4. BISWANATH GUPTA, 5. OM PRAKASH MITAL, 6. BAISHAKH GUPTA, 7. AJIT DAS.

Application No. 141/Cal/87 filed February 24, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

Claims

1. A process for preparing enriched rock phosphate from conventional low-grade high magnesia content rock phosphate making it suitable for use in the conventional method of preparation of phosphoric acid which comprises digesting the rock phosphate in nitric acid characterized in that said digestion is carried out in a multistage operation comprising taking fresh charge of rock phosphate at each stage using recycle liquor for digestion as stated below :

(i) subjecting said high magnesia rock phosphate to a first stage of digestion with nitric acid of 20 to 40% strength;

(ii) recovering the digested residue as enriched rock phosphate followed by;

(iii) digesting a fresh charge of said high magnesia rock phosphate in a second stage with dilute nitric acid of 20 to 40% strength in the presence of leached liquor or filtrate from the first stage;

(iv) recovering the residue of the second stage of digestion as additional enriched rock phosphate, thereafter;

(v) subjecting a further third charge of said high magnesia rock phosphate to the third stage of the digestion with nitric acid of 20 to 40% strength in the presence of the leached liquor or filtrate from the said second stage of digestion and;

(vi) carrying on additional stages of digestion if required, in the above manner followed by;

(vii) recovering the digested residue from the last stage of digestion;

(viii) adding up the residues recovered from the different stages of digestion as enriched product rock phosphates and recovering the leached solution or filtrate from the last stage as final leached liquor wherein the digestion of rock phosphate with dilute nitric acid is carried out in the form of water slurry in a first stage and in the form of slurry in the leached liquor in the subsequent stages the number of stages being determined according to convenience, fresh rock phosphate being used at each stage, wherein the weight ratio of the rock phosphate to nitric acid in all the stages is generally kept more or less uniform in that for one part by weight of rock phosphate, 1¼ to 3¼ parts by weight of nitric acid is used in each stage, care being taken that excess use of nitric acid is avoided and generally uniform process conditions are maintained in all the stages with respect to strength and amount of nitric acid used.

CLASS : 190-D. 166540

Int. Cl. : F 03 d 11/00.

WIND TURBINE.

Applicant : MONTANA WIND TURBINE, INC., OF 115 WEST SECOND AVENUE, BIG TIMBER, MONTANA 59047, UNITED STATES OF AMERICA.

Inventor : 1. GUENTER E. SCHMIDT.

Application No. 142/Cal/87 filed February 24, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A wind turbine comprising :

a turbine wheel having a generally circular rim, a plurality of soft airfoils depending radially inwardly from said rim for rotating said wheel when subjected to wind, and motor means associated with each airfoil for furling and unfurling each airfoil;

means for supporting said turbine wheel during rotation; and

means coupled to said turbine wheel for taking power from said wheel during rotation.

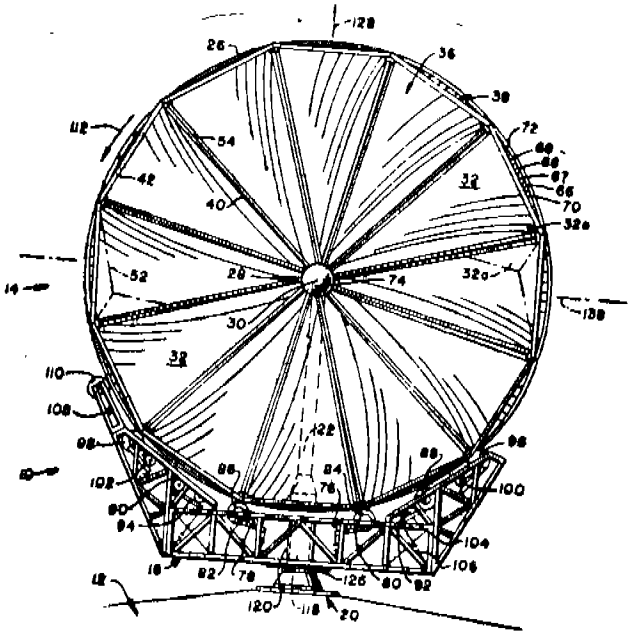


Fig. 1

Compl. specn. 23 pages. Drgs 4 sheets

NAME INDEXES OF APPLLICATIONS FOR PATENTS FOR THE MONTH OF AUGUST, 1989 (Nos. 619/Cal/89 to 719/Cal/89, 213/Bom/89 to 244/Bom/89, 567/Mas/ to 654/Mas/89, 676/Del/89 to 772/Del/89.)

Name & Appln. No.

A

A. Ahlstrom Corporation.—600/Mas/89.

A. Nattermann & Cie GMBH.—687/Del/89.

Acco World Corporation.—602/Mas/89, 603/Mas/89.

Acumeter Laboratories, Inc.—699/Del/89.

Agrawal, M. D.—226/Bom/89, 227/Bom/89 228/Bom/89, 229/Bom/89.

Alcan International Ltd.—678/Del/89, 700/Del/89.

Ali, M. M.—575/Mas/89, 576/Mas/89.

Allevard Industries S. A.—725/Del/89.

Allied Signal Inc.—721/Del/89, 769/Del/89.

Alphonsus Garadus Guliemus Veldman.—666/Cal/89.

American Telephone & Telegraph Co.—574/Mas/89.

Ammonia Casale S.A.—568/Mas/89.

Amco Corporation.—742/Del/89.

Anjaiah, M.—620/Mas/89.

Armco Inc.—639/Cal/89.

Asarco Incorporated.—688/Del/89.

Asea Brown Boveri Ld.—606/Mas/89.

Associated Cement Co. Ltd. The.—230/Bom/89, 231/Bom/89.

Australian Commercial Research & Development Ltd.—708/Cal/89.

Australian National University.—620/Cal/89.

Australian Wire Industries Pty. Ltd.—595/Mas/89, 596/Mas/89.

Name & Appln. No.

B

BASF Aktiengesellschaft - 607/Mas/89.

B. F. Goodrich Co. The.—677/Del/89, 679/Del/89, 709/Cal/89, 743/Del/89.

BIC Corpjoration.—646/Mas/89.

BP Chemicals Ltd.—771/Del/89.

Balanced Engines, Inc.—569/Mas/89.

Balasubramanian, R.—244/Bom/89.

Barta, K. L.—676/Del/89.

Batra, S.—676/Del/89.

Battelle Memorial Institute.—610/Mas/89.

Best Industries, Inc.—708/Del/89.

Bhaskar, B.—244/Bom/89.

Bhide, V. C.—218/Bom/89.

Bisarya, S. C.—697/Del/89.

Biuro Projektow I Realizacji Inwestycji Przemyslu Syntezy Chemicznej "PROSYNCHEM".—722/Del/89.

Bruhn, H.—739/Del/89.

Bukh Meditec A/S.—751/Del/89.

C

Cabot Corporation.—585/Mas/89.

Camphor & Allied Products, Ltd.—240/Bom/89, 241/Bom/89.

Chalapathi, G. V. Dr.—633/Mas/89.

Charbonnages De France (Etablissement Public).—608/Mas/89.

Chaugule, P. J.—217/Bom/89.

Chelyabinsky Institut Mekhanizatsii I Elektrifikatsii Selskdgo Khozyaistva.—737/Del/89.

Chemical Waste Management, Inc.—642/Cal/89.

Cogema.—673/Cal/89.

Cogifer (cie generale D' installations ferroviaires B. A).—764/Del/89.

Compagnie Industrielle-De Tubes Et Lampe Electriques Citel.—724/Del/89.

Contractor, E. N.—233/Bom/89.

Council of Scientific & Industrial Research.—734/Del/89.

Courtaulds Films & Packaging (Holdings) Ltd.—726/Del/89.

Crosslink Polymers Pvt. Ltd.—715/Del/89.

D

Daiichi Pharmaceutical Co.—650/Mas/89.

Dana Corporation.—613/Mas/89, 614/Mas/89.

Danismac S. A.—590/Mas/89.

Das, C. C.—716/Cal/89.

Das, K. N.—686/Cal/89, 687/Cal/89.

Datta, A. P. Sri.—633/Cal/89.

De Beers Industrial Diamond Division (Proprietary) Ltd.—689/Del/89.

Denis, J. P.—756/Del/89.

Deodhar, P.—234/Bom/89, 235/Bom/89.

Devi, V.—733/Del/89.

Dow Chemical Co. The.—622/Mas/89.

Dutta, S. K.—691/Cal/89.

Dyckerhoff & Widmann Aktiengesellschaft.—640/Cal/89.

Name & Appln. No.

E

E. I. Pont De Nemours & Co—658/Cal/89, 659/Cal/89, 684/Cal/89, 692/Cal/89, 700/Cal/89, 713/Cal/89, 714/Cal/89, 715/Cal/89.

Eaton Corporation.—663/Cal/89.

Elitex Koncern Textilniho Stroiirenstvi.—676/Cal/89.

Elkem A/S.—573/Mas/89.

Ellenberger & Poensgen GmbH.—628/Mas/89, 629/Mas/89.

Enichem Anic S. P. A.—651/Mas/89.

Ethicon Inc.—632/Cal/89, 685/Cal/89.

Eureka Forbes Ltd.—653/Mas/89, 654/Mas/89.

Euroceltique S. A.—718/Cal/89.

Evstropov, A. N.—657/Cal/89.

Exxon Chemical Patents Inc.—738/Del/8T9, 748/Del/89, 767/Del/89.

F

FLC-CON Systems, Inc.—588/Mas/89.

Fina Technology, Inc.—719/Cal/89.

Firma Ernst Winter & Sohn.—641/Mas/89.

Fish, F. M.—745/Del/89.

Franz Plasser Bahnbaumeschinen-Industrigesellschaft M. b H.—635/Cal/89.

Fried Krupp Gesellschaft Mit Beschrankter Haftung.—641/Cal/89.

G

General Electric Co.—629/Cal/89, 644/Cal/89, 645/Cal/89.

General Foods Corporation.—720/Del/89.

General Motors Corporation.—643/Mas/89.

Georg Fischer AG.—646/Cal/89.

Gersan, A.—577/Mas/89, 578/Mas/89, 579/Mas/89, 611/Mas/89, 612/Mas/89,.

Ghosh, B.—686/Cal/89, 687/Cal/89.

Goswami, T. K. Dr.—216/Bom/89.

Gowranga, K. H.—623/Mas/89.

Grovag Grossventiltechnik AG.—639/Mas/89.

Gupta, V.—716/Del/89.

H

Hansen, B.—675/Cal/89.

Harfris Corporation.—621/Cal/89, 622/Cal/89.

Hendry, N.G.C.—711/Del/89.

Henkel Kommanditgesellschaft auf Aktien.—572/Mas/89.

Hindustan Lever Ltd.—222/Mom/89, 223/Bom/89, 225/Bom/89, 243/Bom/89.

Hoechst AG.—696/Cal/89, 702/Cal/89.

Hoechst Aktiengesellschaft.—683/Cal/89, 688/Cal/89.

Hoechst Celanese Corporation.—651/Cal/89.

Hollandse Signaalapparaten B. V.—631/Cal/89.

Hunter Douglas Industries B. V.—741/Del/89, 752/Del/89, 766/Del/89.

Hutec Holzmann Umwelttenchnik GmbH.—640/Cal/89.

Hyddanantics Corporation.—652/Cal/89.

Name & Appln. No.

I

Illinois Tools Works Inc—735/Del/89.

Imperial Chemical Industries PLC—684/Del/89, 704/Del/89, 707/Del/89.

Indian Oil Corporation Ltd.—219/Bom/89, 220/Bom/89, 221/Bom/89.

Institut De Recherches De La Siderurgie Francaise (IRSID).—631/Mas/89.

Institut Elektrosvarki Imeni E. O. Patona Akademii Nauk Ukrainskoi SSR.—765/Del/89.

Institut Francais Du Petrole.—640/Mas/89.

Institut Strukturnoi Makrokinetiki Akademii Nauk SSSR.—768/Del/89.

Institut Tekhnicheskoi Teplofiziki Akademii Nauk Ukrainsol Ssr.—707/Cal/89.

Institut Uglya Sibirskogo Otdelenia Akademii Nauk Sssr Ussr.—704/Cal/89.

Intereplex Corporation, The.—623/Cal/89.

Inter Gasgards Pvt. Ltd.—624/Cal/89, 610/Cal/89.

International Business Machines Corporation.—714/Del/89, 729/Del/89, 732/Del/89, 759/Del/89.

Izuclensky, E. V.—657/Cal/89.

J

J. M. Voith GmbH.—626/Cal/89.

Jac Tractor Ltd.—672/Cal/89.

Jayaprakash, T. C.—652/Mas/89.

Joshi, S. P.—593/Mas/89.

K

K. C. Das Pvt. Ltd.—678/Cal/89.

Kabushiki Kaisha Toshiba.—730/Del/89.

Kachanov, E. G.—657/Cal/89.

Kanegafuchi Kagaku Kogyo Kabushiki Kaisha.—681/Del/89,

Kar, S. B.—625/Cal/89.

Kaur, P. Dr.—242/Bom/89.

Kawaski Jukogyo Kabushiki Kaisha.—648/Mas/89.

Kazakov, V. A—647/Cal/89.

Kennametal Inc.—772/Del/89.

Kerr-Mogee Chemical Corporation.—654/Cal/89, 670/Cal//89.

Khosla Engineers,.—692/Del/89.

Kim, I. S.—599/Mas/89.

Kitamura, V.—630/Mas/89.

Kitechnology B. V.—567/Mas/89.

Kolay, C.—649/Cal/89.

Korea Research Institute of Chemical Technology.—719/Del/89.

Kotov, V. M.—657/Cal/89.

Krishna, N. V. S.—686/Cal/89, 687/Cal/89.

Krishnarao T. M.—604/Mas/89.

Kulinich, V. P.—706/Cal/89.

Kurimoto Ltd.—580/Mas/89, 624/Mas/89.

Kutty, T.K.M.—592/Mas/89.

Kwality Frozon Foods Pvt. Ltd.—215/Bom/89.

Name	Appln.

L

Laksminarayan, K. Dr.—224/Bom/89.

Lee, C. S.—627/Cal/89.

Lin, Y. H.—664/Cal/89.

Lithium Corporation of America.—750/Del/89.

Lock-R-Lock, Inc.—695/Cal/89.

Lubrizol Corporation, The.—683/Del/89, 695/Del/89.

Lummus Crest Inc.—693/Cal/89.

M

Mansour, M. N.—702/Del/89.

Maschinenfabrik Rieter AG.—597/Mas/89, 598/Mas/89, 601/Mas/89, 632/Mas/89, 645/Mas/89, 649/Mas/89.

Mc. Dermott International, Inc.—671/Cal/89.

Medicinska Akademia-Presidency.—581/Mas/89.

Metallgesellschaft Aktiengesellschaft.—674/Cal/89.

Minnesota Mining & Manufacturing Co.—571/Mas/89, 586/Mas/89, 609/Mas/89, 621/Mas/89.

Mitra, A. N. Dr.—686/Cal/89, 687/Cal/89.

Mitra, S. K.—686/Cal/89, 687/Cal/89.

Mitsui Toatsu Chemicals Incorporated.—699/Cal/89.

Monoir Industries.—694/Del/89.

Monsanto Co.—616/Mas/89.

Moosa, K. M.—625/Mas/89, 626/Mas/89, 627/Mas/89.

Moskovsky Geologorazvedochny Institut Imeni Sergo Ordzhonikidze.—713/Del/89.

Motorola Inc.—703/Del/89, 705/Del/89, 706/Del/89, 740/Del/89.

Mukherjee, C.R.—634/Cal/89.

Mukherjee, T. Dr.—686/Cal/89, 687/Cal/89.

N

N. V. Bekaert S.A.—718/Del/89.

Nauchno-Issledovatelski Institut PO Epidemiologia I Microbiologia "NF GAMALAEA".—581/Mas/89.

Nauchno-Proizvodstvennoe Obiedinenie "Magneton" Ussr.—681/Cal/89, 682/Cal/89.

Nerurkar, H.M.—686/Cal/89, 687/Cal/89.

Nevsky, L. V.—657/Cal/89.

Nice-Pyrotechnik Hanns-Jurgen Diederichs GmbH & Co.—636/Cal/89.

Norsk Hydro a.s.—758/Del/89.

Norton Co.—701/Cal/89.

OM-Ind Electrical Electronics (P) Ltd.—605/Mas/89.

Orissa Cement Ltd.—689/Cal/89, 697/Cal/89.

Owens Illinois losure Inc.—617/Mas/89.

Owens-Illinois Glass Container Inc.—636/Mas/89.

P

PPG Industries, Inc.—655/Cal/89.

Pastor, E. S.—619/Cal/89.

Pastor, V. S.—619/Cal/89.

Patel, S. B.—232/Bom/89.

Pathak, N.—649/Cal/89.

Patil, A. G. Prof.—236/Bom/89, 237/Bom/89.

Paul Wurth S.A.—770/Del/89.

Pires, P. B.—643/Cal/89.

Plasticon Patents, S. A.—653/Cal/89.

Poeroiko, N. V.—706/Cal/89.

Name	Appln.

P—Contd.

Poltavsky Gosudarstvenny Pedagogicheaky Institut Imeni V. G. Korolenko.—686/Del/89.

Preussag Aktiengesellschaft.—640/Cal/89.

Procter & Gamble Co. The.—709/Del/89, 717/Del/89 761/Del/89, 762/Del/89.

Progressive Industries.—682/Del/89.

Puri, K. K.—754/Del/89.

R

REM Chemicals, Inc.—757/Del/89.

Radhakrishna, G.—633/Mas/89.

Radiotekhnichesky Institut Imeni Akademika A.L. Mintsa Akademii Nauk SSSR.—656/Cal/89.

Rai, A. K.—693/Del/89.

Ranadive, H. M.—213/Bom/89, 214/Bom/89.

Rasmussen, O. B.—570/Mas/89.

Ravindranath, M. Dr.—633/Mas/89.

Rieter, G.—690/Cal/89.

Richter, G. R.—745/Del/89.

Rohatgi, K. K.—717/Cal/89.

Rohm GMBH.—680/Del/89.

Rohm & Haas Co.—728/Del/89.

Rosen, H. E.—669/Cal/89.

Roy, P.—727/Del/89.

Ryan, F. A.—747/Del/89.

S

Sabater, A. G.—619/Cal/89.

Sabharwal, S. C.—746/Del/89.

Saes Getters S.p.A.—615/Mas/89.

Samsung Electronics Co. Ltd.—679/Cal/89.

Sanders, R. C.—691/Del/89.

Sangamo Weston, Inc.—690/Del/89.

Sannabhadli, L.—234/Bom/89.

Santhanakrishnan, N.—642/Mas/89.

Sapozhnikov, A. I.—647/Cal/89.

Sathe, L. M. (Mrs.).—238/Bom/89.

Sathe, M. R.—238/Bom/89.

Sayapin, A. P.—647/Cal/89.

Scapa Group PLC.—685/Del/89.

Schlumberger Ltd.—618/Mas/89.

Schmidt, P.—696/Del/89.

Schubert & Salzer Maschinenfabrik Aktiengesellschaft.—638/Mas/89.

Sepracor, Inc.—644/Mas/89.

Sepracor, Inc.—647/Mas/89.

Seth, N. K.—216/Bom/89.

Shah, D.—239/Bom/89.

Shao, T. S.—701/Del/89.

Sharma, S. P. Dr.—242/Bom/89.

Shell Internationale Research Maatschappij B. V.—594/Mas/89, 637/Mas/89, 749/Del/89.

Shin-Etsu Chemical Co. Ltd.—712/Del/89, 736/Del/89.

Simferopolsky Gosudarstvenny niversitet Imeni M. V. Frunze.—681/Cal/89, 682/Cal/89.

Name	Appln. No.

S—Contd.

Sinha, H. P.—686/Cal/89, 687/Cal/89.

Societe des Products Mestle S. A.—634/Mas/89, 635/Mas/89.

Solarex Corporation.—710/Cal/89, 711/Cal/89, 712/Cal/89.

Solmex Ag.—638/Cal/89.

Solokhin, B. I.—647/Cal/89.

Solvay & Cie.—731/Del/89.

Sonnabhodti, L.—234/Bom/89, 235/Bom/89.

Sotralentz S.A.—698/Cal/89.

Strachan & Hanshaw Ltd.—587/Mas/89.

Straw Products Ltd.—694/Cal/89.

Strekalov, L. N.—647/Cal/89.

Stremovsky, V. A.—706/Cal/89.

Sudhakar, G.—633/Mas/89.

Sudarshan, S.—619/Mas/89.

T

Tata Iron & Steel Co. Ltd.—686/Cal/89, 687/Cal/89.

Tatarsky Gosudarstvenny Nauchno-Issledovatelsky I Proektny Institut Naftyanoi Promyshlennosti Ussr.—680/Cal/89.

Tatarsky Gosudarstvenny Nauchno-Issledovatelsky I Proektny Institut Neftyanci Promyshlennosti.—661/Cal/89, 662/Cal/89.

Tazenkov, B.A.—657/Cal/89.

Tea Research Association.—703/Cal/89.

Tecumseh Products Co.—583/Mas/89.

Thermopac Ab.—628/Cal/89.

Tsentralny Nauchno-Issledovatelsky I Proektno-Experimentalny Institut Promyshlennykh Zdany I Sooruzheny "Tsniipromzdany".—705/Cal/89.

U

Union Oil Company of California.—589/Mas/89.

Uniroyal Manuli Rubber SRL.—584/Mas/89.

United Technologies Corporation.—677/Cal/89.

Uzemek, O.K.—637/Cal/89.

V

Vamatex S.p.A.—582/Mas/89.

Vsesojuzny Nauchno Issledovatelsky Institut Po Ispytaniju Mashin I Oborudovnia Dlya Zhivotnovodstva I Kormoproizvodstva.—686/Del/89.

W

W. Haking Enterprise Ltd.—650/Cal/89.

W.L. Gore & Associates, Inc.—591/Mas/89.

Warren, D. W.—702/Del/89.

Westinghouse Electric Corporation.—665/Cal/89, 667/Cal/89, 668/Cal/89.

Wilhelm Hegenscheidt Gesellschaft MbH.—648/Cal/89.

Wolfgang Priesemuth.—630/Cal/89.

Y

Yousuf, M.—755/Del/89.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 161600. Partecipazioni Bulgari S. P. A. a company organised under the laws of Italy of No. 5, Via Gregoriana-00187 ROMA, Italy. a 'Bracelet'. 17th November, 1989.

Class 1. No. 161683. National Institute of Design, of Paldi, Ahmedabad 380 007, Gujarat, India, an Indian Institution. "Lounge Chair". 11th December, 1989.

Class 1. No. 161885. Prashant Industries, an Indian sole Proprietary firm carrying on business at C-1-B, 237/3, Ajit Bahat, G. I. D. C., II Rajkot-360003, Gujarat State, India. "Stool". 13th February, 1990.

Class 1. No. 161886. Jayco Manufacturers, an Indian Partnership firm of 51, C-1, Aji, G. I. D. C. Near Dynamatic Forging, Rajkot-360 003; Gujarat State, India. "Container". 13th February, 1990.

Class 3. No. 161651. Interlego A. G., a Swiss company of Sihlbruggstrasse 3, CH-6340 Baar, Switzerland. "a Toy Crocodile". 29th November, 1989.

Class 3. No. 161653. Interlego A.G., a Swiss company of Sihlbruggstrasse 3, CH-6340 Baar, Switzerland. a "Toy Car". 29th November, 1989.

Class 3. No. 161654. Interlego A.G., a Swiss company of Sihlbrugggstrasse 3, CH-6340 Baar, Switzerland. a "Toy Car". 29th November, 1989.

Class 3. No. 161675. GEC Plessey Telecommunications Limited of New Century Park, P.O. Box 53, Conventry, CV3 1HJ, England, a British Company, "a Telephone Base Unit". Reciprocity date is 25th July, 1989. (U.K.).

Class 3. No. 161692. Surya Morphy Richards Limited, a company incorporated under the Companies Act, having its office at 1118, Maker Chambers V, Nariman Point, Bombay-400 021 in the State of Maharashtra within the Union of India. "Power Supply Socket". 12th December, 1989.

Class 3. No. 161737. Jagatjit Industries Limited, An Indian Company, 5th Floor, Bhandari House, 91-Nehru Place, New Delhi-110016. India. "Bottle". 21st December, 1989.

Class 3. No. 161901. Ramanik Balubhai Lakhani trading as Giriraj Industries a Sole Proprietary Concern, having its office at Bliss Compound, Nivetia Road, Malad East, Bombay-400 097, in the State of Maharashtra within the Union of India. "Indoor Game Device". 22nd February, 1990.

Class 12. Nos. 161815 to 161818. Richi Rich Products, A-18, Ram House, Middle Circle, Connaught Place, New Delhi-110001, India and Indian Sole Proprietorship concern. "Toy". 23rd January, 1990.

Copyright Extended for the Second Period of five years.

Nos. 155529, 155950, 155951, 155875, 155876, 155877, 155878, 155879, 155880, 155881, 155530, 159697, 155750, 155895, 155146, 160527, 160828. Class-1.

Nos. 155982, 155984, 155979, 155980, 155981, 155983, 157444, 160422, 155143, 155144, 155145, 155147, 155478. Class-3.

No. 155528. Class-4.

Copyright Extended for the Third Period of five years.

Nos. 159697, 155895, 160527, 160828. Class-1.

No. 160422. Class-3.

R. A. ACHARYA,
Controller General of Patents,
Designs and Trade Marks

PRINTED BY THE MANAGER, GOVERNMENT OF INDIA PRESS, FARIDABAD
AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 1990